

IN THE SPECIFICATION

Please replace the paragraph beginning at page 2, line 17, with the following paragraph:

In accordance with the invention, a method is provided for monitoring a software process running on a processor. A first process runs on the processor to execute ~~and~~ an application requiring process monitoring. The application is for example, a wireless switching application associated with wireless communications. The first process creates a second process to actually run the application on the processor. Preferably, the second process is a child process of the first process. The second process continues execution of the application and the first process stops execution of the application. Preferably the transition between the first process ending execution of the application and the second process beginning execution of the application is seamless. That is, the transition is not perceptible to a user of the application. Preferably, the first process monitors the continuous execution of the second process via a death of child signal from the operating system. The second process simultaneously monitors the first process to ensure that the first process continues to execute. Preferably, the second process polls the first process periodically to determine whether the first process is still executing. If the second process determines that the first process is dead, that is, no longer executing normally, then the second process creates a third process to execute the application. Preferably, the third process uses state information from the second process to seamlessly continue execution of the application. The second process ceases execution of the application but continues to monitor the third process, which is its child process, for a death of child signal. The third process simultaneously monitors the second process to ensure that the second process continues to execute. In other words, the third process monitors the second process to ensure that its monitor (the second process) continues to execute normally. The roles of the parent and child processes are generated and regenerated, as necessary, as described above, to ensure the application processes are monitored.